

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP2004/010542

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B60K31/00 B60K17/356 B60K6/04 B62D11/04		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 B62D B60K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 41 33 060 A (MANNESSMANN AG) 8 April 1993 (1993-04-08)	1-8, 12-24
Y	column 12, line 29 - column 13, line 35; figure 1	9-11
Y	EP 0 604 404 A (CATERPILLAR INC) 29 June 1994 (1994-06-29) page 10, line 54 - line 58	9-11
<input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special feature (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art 'd' document member of the same patent family		
Date of the actual completion of the international search 1 December 2004		Date of mailing of the international search report 17/12/2004
Name and mailing address of the ISA European Patent Office, P.O. Box 18 Patenthaus 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx: 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Wiberg, S

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Information on patent family members

International Application No

PCT/EP2004/010542

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
DE 4133060	A	08-04-1993	DE 4133060 A1	08-04-1993
		BR 9206576 A	07-11-1995	
		CN 1074869 A	04-08-1993	
		WO 9307021 A1	15-04-1993	
		DE 59206508 D1	11-07-1996	
		EP 0606345 A1	20-07-1994	
		ES 2088156 T3	01-08-1996	
		JP 6511136 T	08-12-1994	
		JP 3096476 B2	10-10-2000	
		MX 9205689 A1	01-07-1993	
EP 0604404	A	29-06-1994	WO 9109375 A1	27-06-1991
		EP 0996047 A1	26-04-2000	
		EP 0608005 A1	27-07-1994	
		EP 0604404 A2	29-06-1994	
		EP 0679903 A2	02-11-1995	
		EP 0679975 A2	02-11-1995	
		EP 0679973 A2	02-11-1995	
		EP 0679904 A2	02-11-1995	
		EP 0679974 A2	02-11-1995	
		EP 0679976 A2	02-11-1995	
		EP 0936516 A2	18-08-1999	
		EP 0936517 A2	18-08-1999	
		EP 0936518 A2	18-08-1999	
		EP 0936519 A1	18-08-1999	
		EP 0936520 A2	18-08-1999	
		AU 642638 B2	28-10-1993	
		AU 683495 B2	13-11-1997	
		AU 7749194 A	05-01-1995	
		CA 2071831 A1	12-06-1991	
		DE 69026274 D1	02-05-1996	
		DE 69032415 D1	16-07-1998	
		DE 69032415 T2	11-02-1999	
		DE 69033597 D1	31-08-2000	
		DE 69033597 T2	22-03-2001	
		DE 69033753 D1	26-07-2001	
		DE 69033753 T2	29-05-2002	
		DE 69033831 D1	22-11-2001	
		DE 69033831 T2	20-06-2002	
		DE 69033898 D1	14-02-2002	
		DE 69033898 T2	29-08-2002	
		DE 69033907 D1	14-03-2002	
		DE 69033907 T2	12-09-2002	
		DE 69033929 D1	11-04-2002	
		DE 69033929 T2	31-10-2002	
		DE 69033962 D1	27-06-2002	
		DE 69033962 T2	16-01-2003	
		DE 69033973 D1	18-07-2002	
		DE 69033973 T2	23-01-2003	
		DE 69033979 D1	25-07-2002	
		DE 69033979 T2	23-01-2003	
		DE 69034047 D1	10-04-2003	
		DE 69034047 T2	25-03-2004	
		DE 69034068 D1	05-06-2003	
		DE 69034068 T2	30-10-2003	
		EP 0507845 A1	14-10-1992	
		EP 0936521 A2	18-08-1999	
		JP 3321115 B2	03-09-2002	

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/EP2004/010542

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0604404	A	JP 2000028699 A	28-01-2000
		JP 3442687 B2	02-09-2003
		JP 2000029518 A	28-01-2000
